PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: P. A. Billing-Medel, *et al.*

Serial No.: 09/092,297

Filed: June 5, 1998

For: REAGENTS AND METHODS USEFUL FOR DETECTING DISEASES OF THE URINARY TRACT

Examiner: S. Turner

Group Art Unit: 1644

Case No.: 6107.US.P1

CERTIFICATE OF MAILING (37 CFR 1.8 (a))

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the:

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Assistant Commissioner for Patents
Box AF
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AMENDMENT AND RESPONSE
AFTER FINAL REJECTION UNDER 37 C.F.R. & 1.116

Dear Sir:

Please Do NOT Enter 5-10

This is responsive to the Office Action dated February 15, 2000. Claims 10-16, 25, 30, 33, 35, 38, 39 and 45-55 are currently under Examination. A request for a one month extension of time accompanies this response to thereby extend the time for response from May 15, 2000 to June 15, 2000.

AMENDMENTS

Please amend the specification as follows:

On page 55, in line 29, after "(SEQUENCE ID NO. 5).", please delete Sequence 819141 corresponds to nucleotide positions 66-329 of the consensus sequence.

Please amend the claims as follows:

10. (Twice amended) A test kit useful for detecting a target polynucleotide in a test sample, said test kit comprising a container containing at least on polynucleotide [that specifically binds to] having at least 50% identity with a polynucleotide selected from the group consisting of SEQUENCE ID NO. 1, SEQUENCE ID NO. 2, SEUENCE ID NO. 3, SEQUENCE ID. NO. 4, SEQUENCE ID NO. 5, [sequence 819141,] and complements thereof.

11. (Twice amended) A purified polynucleotide comprising a polynucleotide sequence that [specifically binds to] has at least 50% identity with a polynucleotide selected from the group consisting of SEQUENCE ID NO. 1, SEQUENCE ID NO. 2, SEUENCE ID NO. 3, SEQUENCE ID. NO. 4, SEQUENCE ID NO. 5, [sequence 819141,] and complements thereof.

15. (Twice amended) A recombinant expression system comprising a nucleic acid sequence operably linked to a control sequence compatible with a desired host, wherein said nucleic acid sequence has at least 50% identity with a polynucleotide selected from the group consisting of SEQUENCE ID NO. 1, SEQUENCE ID NO. 2, SEUENCE ID NO. 3, SEQUENCE ID. NO. 4, SEQUENCE ID NO. 5, [sequence 819141,] and complements thereof [encodes a polypeptide, wherein said polypeptide comprises an amino acid sequence having at least 90% identity to an amino acid sequence selected from the group consisting of SEQUENCE ID NO 17, SEUQENCE ID NO 18, SEQUENCE ID NO 19, SEQUENCE ID NO 20, and amino acid sequences comprising at least about 10 contiguous amino acids derived from any of these sequences].

25. (Twice amended) A method for producing a polypeptide comprising at least one epitope, said method comprising incubating host cells under conditions sufficient to produce a polypeptide, wherein said host cells [that] have been transfected with an expression vector containing a polynucleotide sequence encoding a polypeptide, wherein said polypeptide comprises an amino acid sequence having at least 90% identity to an amino acid sequence selected from the group consisting of SEQUENCE ID NO 17, SEQUENCE ID NO 18, SEQUENCE ID NO 19, SEQUENCE ID NO 20[, and amino acid sequences comprising at least about 10 contiguous amino acids derived form any of these sequences].